

# ORDER

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
WESTERN REGION

WE 6500.22

4/11/68

SUBJ: COMMUNICATIONS FACILITIES AND EQUIPMENT, PROVIDING COMMUNICATIONS  
RECEIVER OUTPUT(S) TO NON-FAA ORGANIZATIONS

1. PURPOSE. This Order establishes Regional policy and procedures for providing communications receiver output(s) from FAA communication facilities. This Order is of concern to Airway Facilities and Air Traffic personnel.
2. CANCELLATION. AF 6510.10, WE CHG. 1, Communications Facilities and Equipment, monitoring of communications receivers by non-FAA organizations.
3. POLICY. As a courtesy service, FAA communications receiver output(s) may be provided non-FAA organizations having a legitimate need. Such users could be Airport Managers, Air Carriers, or other organizations concerned with aviation.
4. SERVICE AUTHORIZATION.
  - a. The Area Manager or his designee, upon receipt of a written request for connection to FAA communications receivers, will determine that the request is legitimate; i.e., that the requesting organization has a justifiable need.
  - b. The requesting organization must show written evidence of approval by the Area Manager or his designee before initial output connections or changes to existing connections are made to the communications receiver.
  - c. Providing they have been officially approved, existing connections to receiver output(s) may be retained without change to provide conformance to the limitations in paragraph 5. However, if changes are made in the future, they will conform to these requirements.
5. LIMITATIONS. To ensure maximum protection of FAA circuitry, the following limitations will apply:
  - a. Only ONE output point will be provided at a facility for connection to the communications receiver. This shall be at an easily accessible location.

- b. An "Outside Agency Audio Disconnect Panel" fabricated in conformance with Western Region Drawing No. D-5732-28 shall be installed in FAA equipment racks. This shall be installed, by FAA personnel, in the facility equipment room for use as an extension of the communications receiver. (The "Outside Agency Audio Disconnect Panel" provides adequate protection to FAA circuitry in the event of malfunction of non-FAA external circuitry or equipment.)
- c. The communications receiver output(s) to be connected to the input terminals of the Outside Agency Audio Disconnect Panel (terminals 1 through 40), shall normally be obtained from an audio circuit that remains unmuted during the period of transmission. (This will permit the using organization to hear both sides of the conversation.) If the facility circuitry does not provide such access, the authorized user must be informed that only the aircraft portion of the communications will be heard.
- d. The concerned AF Sector shall cable shielded pairs from the output terminals (terminals 41 through 80) of the "Outside Agency Audio Disconnect Panel" to the screw terminals of a wall mounted demarcation box. The demarcation box shall be a type 12B, Western Electric, cable terminal, or equal; and will be furnished by the authorized user. No other non-FAA equipment shall be used for these installations.
- e. An isolating amplifier of 600 ohm input impedance, only one per receiver, shall be installed between the solder terminals of the demarcation box and the user's loud speaker.
- f. The authorized user may elect to contract with the local telephone company to provide the inter-connecting service to the point of use.
  - (1) In the event that two or more non-FAA organizations are granted approval for tie-in to the communications receiver output(s) at the same FAA facility, the local telephone company shall provide the interconnecting service.
  - (2) The authorized using organizations will be responsible for the contracting arrangements with the local telephone company.

- g. The approximate range of audio levels that will appear at the terminals of the demarcation strip shall be specified by the FAA facilities personnel (for example, minimum -40 vu, maximum 0 vu).

*for A. E. Horning*  
A. E. Horning  
Chief, Airway Facilities Division